

LAMPIRAN C
ANALISIS DATA KEMAMPUAN KOMUNIKASI MATEMATIK

HASIL PENELITIAN

Lampiran C.1 Data Skor *Pretest*, *Posttest*, dan *N-Gain* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

Lampiran C.2 Pengolahan Data dan Uji Statistik *Pretest* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

Lampiran C.3 Pengolahan Data dan Uji Statistik *Posttest* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

Lampiran C.4 Pengolahan Data dan Uji Statistik *N-Gain* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

LAMPIRAN C.1

Data Skor *Pretest*, *Posttest*, dan *N-Gain* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

KELAS EKSPERIMEN					KELAS KONTROL				
No	Nama	Pretest	Posttest	N-Gain		Nama	Pretest	Posttest	N-Gain
1	E1	30	80	0.71		K1	25	85	0.80
2	E2	50	90	0.80		K2	45	83	0.69
3	E3	55	93	0.84		K3	25	75	0.67
4	E4	15	84	0.81		K4	55	86	0.69
5	E5	55	83	0.62		K5	50	85	0.70
6	E6	55	90	0.78		K6	27	83	0.77
7	E7	25	78	0.71		K7	43	80	0.65
8	E8	50	88	0.76		K8	45	78	0.60
9	E9	20	78	0.66		K9	33	70	0.55
10	E10	15	77	0.73		K10	30	76	0.66
11	E11	35	85	0.77		K11	40	80	0.67
12	E12	27	85	0.79		K12	25	78	0.71
13	E13	45	83	0.69		K13	45	87	0.76
14	E14	25	83	0.77		K14	25	75	0.67
15	E15	35	88	0.82		K15	20	83	0.79
16	E16	15	75	0.71		K16	10	75	0.72
17	E17	60	85	0.63		K17	25	73	0.64
18	E18	35	80	0.69		K18	15	73	0.68
19	E19	20	85	0.81		K19	20	80	0.75
20	E20	30	76	0.61		K20	45	77	0.58
21	E21	15	83	0.80		K21	40	77	0.62
22	E22	45	77	0.58		K22	10	83	0.81
23	E23	5	85	0.84		K23	30	80	0.71
24	E24	35	78	0.66		K24	20	75	0.69
25	E25	37	78	0.65		K25	25	73	0.64
26	E26	10	86	0.84		K26	45	70	0.45
27	E27	35	78	0.66		K27	35	69	0.52
28	E28	40	83	0.72		K28	33	82	0.73
29	E29	5	79	0.78		K29	15	80	0.76
30	E30	40	75	0.58		K30	5	70	0.68
31	E31	15	78	0.74		K31	50	77	0.54
32	E32	33	75	0.63		K32	35	73	0.58
33	E33	43	80	0.65		K33	20	68	0.60
34	E34	40	88	0.80		K34	27	80	0.73
35	E35	25	80	0.73		K35	10	67	0.63
	Rata-Rata	32.00	81.74	0.73		Rata-Rata	29.94	77.31	0.6697

Tests of Normality							
	Kelas	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Pretest	Eksperimen	.113	36	.200*	.962	36	.241
	Kontrol	.090	36	.200*	.962	36	.250
*. This is a lower bound of the true significance.							
a. Lilliefors Significance Correction							

3. Uji Homogenitas

Test of Homogeneity of Variances

Pretest

Levene Statistic	df1	df2	Sig.
1.920	1	70	.170

4. Uji Perbedaan Rata-rata

Group Statistics

	Kelas	N	Mean	Std. Deviation	Std. Error Mean
Pretest	Eksperimen	36	31.67	15.433	2.572
	Kontrol	36	27.81	12.496	2.083

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Pretest	Equal variances assumed	1.920	.170	1.167	70	.247	3.861	3.310	-2.740	10.462
	Equal variances not assumed			1.167	67.098	.247	3.861	3.310	-2.745	10.467

LAMPIRAN C.3

Pengolahan Data dan Uji Statistik *Posttest* Kemampuan Komunikasi Matematik Siswa Kelas Eksperimen dan Kelas Kontrol

1. Statistik Deskriptif

Descriptives				
	Kelas		Statistic	Std. Error
Posttest	Eksperimen	Mean	81.89	.839
		95% Confidence Interval for Mean	Lower Bound	80.19
			Upper Bound	83.59
		5% Trimmed Mean	81.84	
		Median	83.00	
		Variance	25.359	
		Std. Deviation	5.036	
		Minimum	76	
		Maximum	93	
		Range	20	
		Interquartile Range	7	
		Skewness	.113	.393
		Kurtosis	-.618	.768
	Kontrol	Mean	77.97	.874
		95% Confidence Interval for Mean	Lower Bound	76.20
			Upper Bound	79.75
		5% Trimmed Mean	78.08	
		Median	78.00	
		Variance	27.513	
		Std. Deviation	5.245	
		Minimum	67	
		Maximum	87	
		Range	20	
		Interquartile Range	9	
		Skewness	-.396	.393
		Kurtosis	-.551	.768

2. Uji Normalitas

Tests of Normality							
	Kelas	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Posttest	Eksperimen	.118	36	.200*	.972	36	.487
	Kontrol	.123	36	.189	.959	36	.206
*. This is a lower bound of the true significance.							
a. Lilliefors Significance Correction							

3. Uji Homogenitas

Test of Homogeneity of Variances			
Posttest			
Levene Statistic	df1	df2	Sig.
.015	1	70	.903

4. Uji Perbedaan Rata-rata

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Posttest	Equal variances assumed	.015	.903	3.232	70	.002	3.917	1.212	1.500	6.334
	Equal variances not assumed			3.232	69.884	.002	3.917	1.212	1.500	6.334

Tests of Normality							
	Kelas	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
N_Gain	Eksperimen	.108	36	.200*	.952	36	.120
	Kontrol	.112	36	.200*	.975	36	.577

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

3. Uji Homogenitas

Test of Homogeneity of Variances			
N_Gain			
Levene Statistic	df1	df2	Sig.
.089	1	70	.767

4. Uji Perbedaan Rata-rata

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
N_Gain	Equal variances assumed	.089	.767	2.984	70	.004	.05583	.01871	.01851	.09315
	Equal variances not assumed			2.984	69.769	.004	.05583	.01871	.01851	.09316